

DATASHEET

VDR Mouse Monoclonal Antibody(C3666)

CAT. NO. AMA03278

KEY FEATURES

Target	VDR	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgA. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Nuclear receptor for calcitriol, the active form of vitamin D3 which mediates the action of this vitamin on cells . Enters the nucleus upon vitamin D3 binding where it forms heterodimers with the retinoid X receptor/RXR . The VDR-RXR heterodimers bind to specific response elements on DNA and activate the transcription of vitamin D3-responsive target genes . Plays a central role in calcium homeostasis . Also functions as a receptor for the secondary bile acid lithocholic acid (LCA) and its metabolites .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

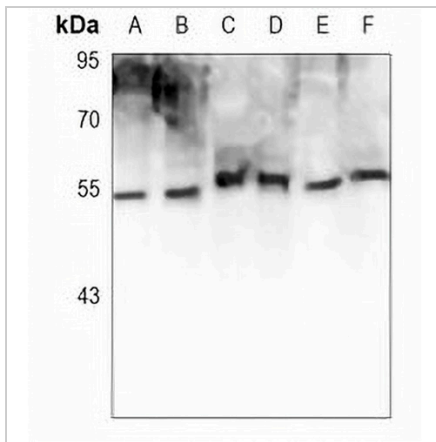
Description	Mouse monoclonal antibody to VDR
Specificity	Recognizes endogenous levels of VDR protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human VDR. The exact sequence is proprietary.
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 48 kD; Observed: 55 kD
Form/Buffer	Mouse IgA. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	NR1I1; Vitamin D3 receptor; VDR; 1,25-dihydroxyvitamin D3 receptor; Nuclear receptor subfamily 1 group I member 1
Gene Symbol	VDR
Entrez Gene	7421(Human)
SwissProt	P11473(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of VDR expression in 293 (A), HeLa (B), HepG2 (C), MCF7 (D), MDAMB453 (E), T47D (F) whole cell lysates. (Predicted band size: 48 kD; Observed band size: 55 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.